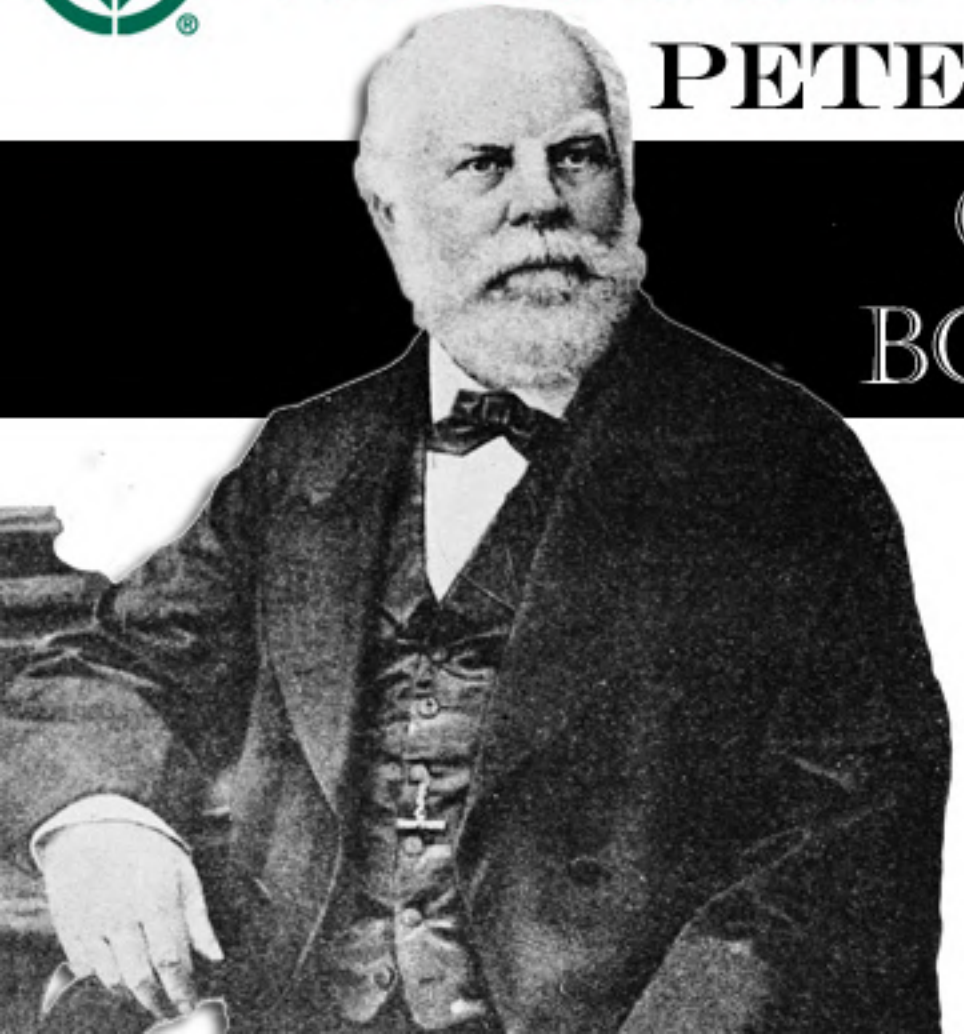
Missouri Botanical Garden

Peter H. Raven Library

George Engelmann Botanical Notebooks



Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

39 05 h.s/o

~~L. petiolaris~~
L. serrula (petals 1.)

annua decumbens vale
patenter pilosa
~~ploribus~~ foliis ebasi valde obliqua
obtuse-acuta v. subacuta.
oblongis ~~saepe~~ basi obtusis obtusis
acutis ~~serratis~~ grosse pauci serratis
subtus pilosis supra subnudis
stipulis lanceolatis carinatis
glanduli catenulibus
appendiculibus auguste ellipticis
acutulatis
~~Ovaria~~ Styli ~~bacillus~~
~~petiolatis~~ ovatis globo brevissime
pilulis adsis ferebantur
capsula acute angulata
~~Semina~~ ovata ~~acute~~ laevibus.
~~acutis compressis~~ dilute
contacte angulatis
Semina 4—6 millim. long.
laevia very sharply acute
2—5 c. m. long 1—3 broad
Seeds ~~Dec~~ long — 0.6 c. m. broad
remarkably ~~auge~~ winged angles

Found in New Mexico — St Fe.
N. 796 ÷ 804
Wright 1843
1844 (~~547~~ 1852) Escondido Creek west of El Paso
(~~304. 1851~~) Pecos
(~~817 (1849)~~ N. 658 west of Pecos ÷ Torrey
(~~59. 1851 — part~~) S. Fe
(~~796 1851~~)

6628

MISSOURI BOTANICAL GARDEN
copyright reserved

29/34

Euph. villifera Scheele

annua erecta patula ramosissima
villis patulis hirsuta

foliis ellipticis vel oblongis sub-
cordatis ovatis obtusis ~~integerrimis~~
to plerique crenatis v. varie
grosse dentatis, utrinque pilosis
stipulis subulatis deciduis
auctorum alarum duarum
v. apice ramulorum corymbosis,
involucris globosis, ~~appendiculatis~~
obsoletis parvis (albis v. roseis)
stylis patulis ovario globoso
brevioribus ultra medio 6-fidis.
capsula obtuse angulata
seminibus globoso-ovatis obtuse
angulatis, subtuberculatis.

Syn. Euphorbia villifera Scheele in Linnaea XX. 728 — but this has villose capsules —

compare
E. velligera
Schauer
which maybe
the same, but
has scrobiculate lvs
& villose
capsules

Ludwigia Cedarwoods on rocky soil,
No Barnfels N.L. № 530
Greg. 350. near Saltillo
Berlandier 2084 & 674
Wright. slender
Herbaceous glabrous 6-12 inches
high; leaves sessile short thin rotundly
ovate or oblong, usually
3-4 lines long 2-3 broad; of
a dull dark green — seeds about 0.5 l. long.
and nearly 0.4 thick. — Bracteoles
opposite are more naked
and have coarsely dentate
leaves. So are the Mexican
ones from Saltillo, they however
are only a few inches
high, have very much compressed
capsules & smaller seeds.
Seem to be near E. velligera Schauer
in Linn XX. 728 — but that has villose capsules —
seeds not mucronate

6629

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

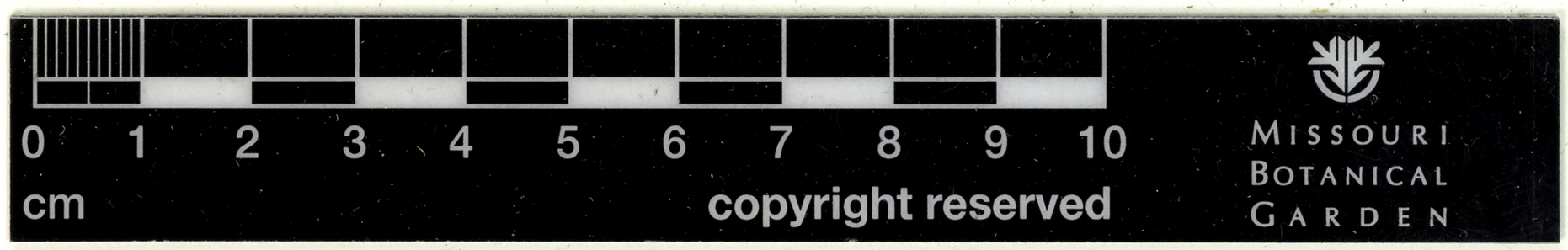
0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Among Coulter's Plants 1447 is an Euphorbia (mixed with 2 others) which I have not classed:

annua? caule decumbente puberulo foliis e basi obliqua obtusa seu subcordata ovatis seu orbiculatis integrinsculis seu crenulatis subtus pilosis; stipulis 3 angulatis floribus paucis involucris glandulis ciliatis angustis appendiculatis; stylis ad medium bifidis; capsulis obtuse angulatis nudis seminibus (0.5 lin) acute angulatis transverse rugosis

perhaps new E. pilosula??

0 1 2 3 4 5 6 7 8 9 10
cm copyright reserved
MISSOURI BOTANICAL GARDEN



cm 0 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

6630

Or (b) 5(p)

(2 pag 5

Euphorbia hyssopifolia

annua caule erecto seu diffuso
puberulo seu glabrato

foliis e basi obliqua oblonga
seu subovata ovato-oblongis
s.s. oblongo-lanceolatis falcatisve
obtusis argute serratis saltem
glabris pallidis supra pone
pilosis seu nudis saepe punc-
tatis

stipulis ebasi triangulato
lanceolatis fimbriatis.

anthodiis alaribus demum
ad ramulos alternatim
apice in cymulas laxe
foliosas collectis;

appendiculibus parvis
orbiculatis integris, seu raro
subnullis.

stylis glabris profunde bifidis, ramis
subulatis divaricatis.

capsula glabra, obtuse angula
seminibus ovatis obtuse
angulatis rugulosis tuberculatis
nigricantibus.

var. brevifolia see below

Var. cymulo laeta (see No 4 pag 5)

suffruticosa glaberrima
foliis confertis lanceolatis acutis serrulatis acutis
cappendiculis lacteis orbiculatis
candidis stylis basi coalitis
cymulis laxifloris longe pedunculatis nudis
demum in paniculam ferrugineam dispositis

6631

Berlandier 489
& 1849

Stigmatibus clavellatis.

Common throughout the U. S. on moist soil, in fields & waste places.

Var. Crocifolia. Differs in foliis ovatis s. inferioribus subcordatis pentatrifidis glandibus vix in cymulas congestis.

Texas Lindheimer.
New Mexico Wright (Dwight Rivers) 1842 in part
Bigelow 655 (1849. 882)
~~Fendler~~
Mexico Gregg 137 Hartweg 32 Coult 1436
Guyana ex Hook Gray
Chili
Charles Fendler 277 Panama Fendler 277
Christmas Island Thurber 1065
Upper Missouri Hayden
Var Crocifolia — N. eastern & Northwestern states, & the Rocky Mts. — but not Mexico & California
Annual Known weed
usually 1–2 feet high or long sometimes 2, rarely 3 often 4 inches high
leaves very variable
broadly ovate & 3 only 3–5 lobed, usually 10–18 lines long, 3–6 or even 8 lines wide
seeds 0,25 — 0,6 lines long, very thick & the only thick (long & thin) single species! —
Var Cocta from Mexico.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

~~40~~ 25

It seems doubtful whether this should be the original limen plant, but as it grows it is even when known and acknowledged under this name it seems improper to make any changes, before having examined them from Cuba. The original plant seems to be some undescribed species.

It is suffruticose, entirely glabrous, with large petal like appendages, different leaves, but undistinguishable seeds. It is perhaps Humboldt's C. pulchella, but this is not to have almost entire leaves.

C. dumiflora is probably only a form! The Key west plant is distinct enough but outlines forms unite it with C. hyssopifolia.

Jamaica, Venezuela 1186 is a peculiar variety with very pubescent capsules! Whole plant more hairy than usual; one specimen has bract appendages, the other almost none!

6632

Euphorbia Hubrica n. sp.

E. hypericifolia Planta Kotschyana.
non Lin

Annua (?) robusta erecta s.
decumbens;
foliis ex basi valde obliqua
ovatis s. oblongis, obtus. mucronulis
vix ciliatis s. parce s. obtusiuscule
serrulatis
stipulis triangulo-acutis,
undulatis
floris ♀ ovatis lateralibus
s. terminalibus subconfertis
capsulis appr. albis, subobsolete transversim
corrugatis s. stylis brevibus
semine ovoideo acute angulato,
fusco s. rugoso.

α. glabra Kotschy Pl. Nub. 154
β. pubescens 334
glabra, foliis oblongis lanceolatis
capsulis glabris
β. pubescens tota pubescens
foliis ovatis lanceolatis
capsulis pubescentibus. Kotschy. 334

Differs from Eupt. hyperic. in the pale narrow shapeless seeds — the almost entire leaves — the absence of obtuse teeth — style short.

Eupt. Prolii Guss. fide spec. in hb Guicc. from Palermo is somewhat intermediate from E. hypericifolia

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

#956 n. perplexa — or gsp

probably a form of E. hyssopifolia

E. densiflora

annua glabra erecta glabra
foliis e basi oblongis oblongis
oblongis acutis vel + obtusis
argute serratis;
stipulis saepe connatis
truncatis, ut ergo ramulis
~~foliosis~~ ramis floriferis
alternis apice glomerulum multiflorum
basi foliis oppositis ~~foliosis~~ & subaphyllum
gerentibus ~~folio brevis~~
~~bracteis~~ appendiculis ~~ovatis~~
angustis integris & nullis
stylis brevibus ad basi
vel
ca ad basi bifidis
capsula globosa
glandulosa ovatei truncata
rugulosis subcellis 2. foliis

Key West, Florida, Chapman, Blodgett
Monterey, Mexico Dr Edwards
Chagres N. Gren. 275
Venezuela " " 1185 & 1187
Porto Rico

Very similar in appearance
to E. hyssopifolia, and perhaps
the ~~true~~ typical Linn plant
~~of that name~~.

Leaves 3/4—1 1/2 inches long,
1/4—6 lines wide — always smooth
Glomerules ~~large~~ little large — to 1 1/2.

from S. Amer & Mexico
more compact — stem from
the Westindies & Key west
3—6 lines — Santa — in a Venezuelan
Specimen 3 ft high

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

6633

and in our Boston more or small or unusually large ones with same head, dissimilar object. I have made with on E. cephalantha. Leads similar shape to those of E. hyemalis but only 0.4 C. by [illegible] gelb rot

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

42
96

ax

psp

x pg 1.

E. pilulifera L.

annua, erecta s. patula, valde
pilis flavis articulatis tecta
s. adnodos solum hirsuta,
foliis e basi oblyn
ovata s. ovato lanceolatis
obtusis crenulatis
dentatis obtusis
stipulis pubescentibus
stipulis subulatis
glomeris globosis densiflo
ris, pseudoaxillaribus alternis
sessilibus dein pedunculatis.
glomeris involucri multi
stipitatis s. subsessilis
appendiculatis
stylis apice s. ad medium
bipartitis dein hispidulo
brevibus; stigmate globoso capitellato
semibus; ovulis
ovato angulatis transverse
rugosis rosei

β. E. viatorum.
γ. xylorhiza

Keyserl. Blodgett
Mexico Coulter 1438 ÷ part & γ. Gray
Chihuahua Fendler 274 ÷ Wright
China Hub Grey. Mexico towards
Wright 1842 ÷ part (535 1852 2d) Sonora
Upland of peculiar aspect
easily recognized by its
globose very compact heads

6634

Spreading 6— 15-rayed, light—
leaves 1/2— 1 1/2 [illegible] long
always ante- & base. — Florets
Specimens they are shorter
with obtuse. than Yellow anthers
pericarp often always present
& gutta perculiar — always having
J. Capsule 0.4 l. by seed
only 0.3 li — length — many
Marked — Florets
Key West Specimen with
Jubulis appendages, (all the others
very & has very small
have conspicuous appendages.
Among Coulter 1438 is much
allied & perhaps well-distinguished
for which seems to constitute
one species. —

Localities for E. jubulifera

Rio Janeiro (Hb Bram.
Martinique "
Isle de France "

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

4236/5.

ar pos/p

E. d'orbor

annua adscendens seu diffusa
pilosa
foliis e basi obliqua
ovatis v. lanceolatis subrhombeis
acutiusculis serratis
stipulis subulatis
glomerulis globosis pseudo-
axillaribus sessilibus seu
breviter pedunculatis aphyllis
involucris minutis pubentibus
glandulis stipitatis, appendi-
culatis paucis
stylis ad medium bifidis
brevibus; stigmatibus
capitatis
; capsula pilosa
semine minutissime ovatis
acutis rugulososo tuberculatis

Wright 1892 in part
(535. 1851 2d) Sonora rock pebbly bed

Stems decumbent ½-1 ft long
1-1½ inches in length. ¼-½ inch
in width. with a lanceolate
red spot along the middle
very pale or glaucous the lower
side (Involucres hemispheric
½ line long, very much crowded
heads 3-4 lines in diameter
capsules very small ovate
seeds about 0,3 to 0.4 line in
length.

Nearly allied to E. pilulifera

6635

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

~~15 37~~

~~cymulosa~~

Euph. ~~cephalantha~~ Capitellata Pep

~~exotrigona~~ s. Dem

annua (diffusa ramibus elongatis

pubentis

foliis e basi valde obliqua

oblongo linearibus nudis seu parce

~~hirtulis~~ (mucronatis) argute

serrulatis

stipulis lanceolatis ~~subulato~~ —

laceris

glomeris Semiflosis semialtis pere

~~cata~~ aphyllis

Involucri glandulis ~~orbiculato~~

~~appendiculatis~~ elongatis stipitatis ~~obovato~~ appendi

culatis s. late obovatis

integris

stylis ovario hirto longioribus

~~filiformibus~~ ad med — bifidis

elongatis

capsula pubescente

glomeris ovatis acutatis

~~ca~~ ~~cata~~ angulatis rugoso

tuberculosis.

Wright 1849 (~~1851 & 99~~) Cor valley

San Bernardino, Sonora

~~A authority~~ Stems 6—10

inches long; leaves 5—8 lin. long

2 l. wide — very sharply serrate;

heads of (axillary flowering like)

rather showy 4—6 lines

diameter; seed=0.5 l. long

— Very similar to E. pycnantha

but easily distinguished by the straggling

habit (the naked glomerules

the narrower sharply serrate leaves and the

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

6636

seeds at Strasburg Stable

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

~~44~~ 38

Euphorbia pycnanthema

See Euph. Bicolor Nutt.

perennis erecto patula ramosa-
pubescens
foliis ellipticis obliquis
cordato ovatis obtusis s. obtusiusculis
saepe mucronulatis integris
sub dentibus paucis ad ~~basin~~ margines
inferiorem serrulatis subtus
stipulis lanceolato-subulatis
fissis
glomerulis multifloris
terminalibus foliis superantibus plurimis
quasi involucratis
involucris pilosulis ~~extus nitis~~
late obovatis appendiculatis
sem (intensibus? subundis)
stylis fere adbasi fissis
patulis stigmatibus divaricatis
clavellatis
capsula subglobosa puberula
semin. ovatis acute angulatis
transverse rugulosis punctatisque

Wright (186.) Mountain sides near Lake Santa Maria

Many stems 6 - 12 inches high from
a very thick woody root
Leaves 4-5 lines long - Seeds
0.5 line long. - ~~Involucre~~ Very much
of a appearance of small tubulate flat
with a terminal involucrate heads!

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

0 1 2 3 4 5 6 7 8 9 10 cm
copyright reserved
MISSOURI BOTANICAL GARDEN

25 ? 105 p.

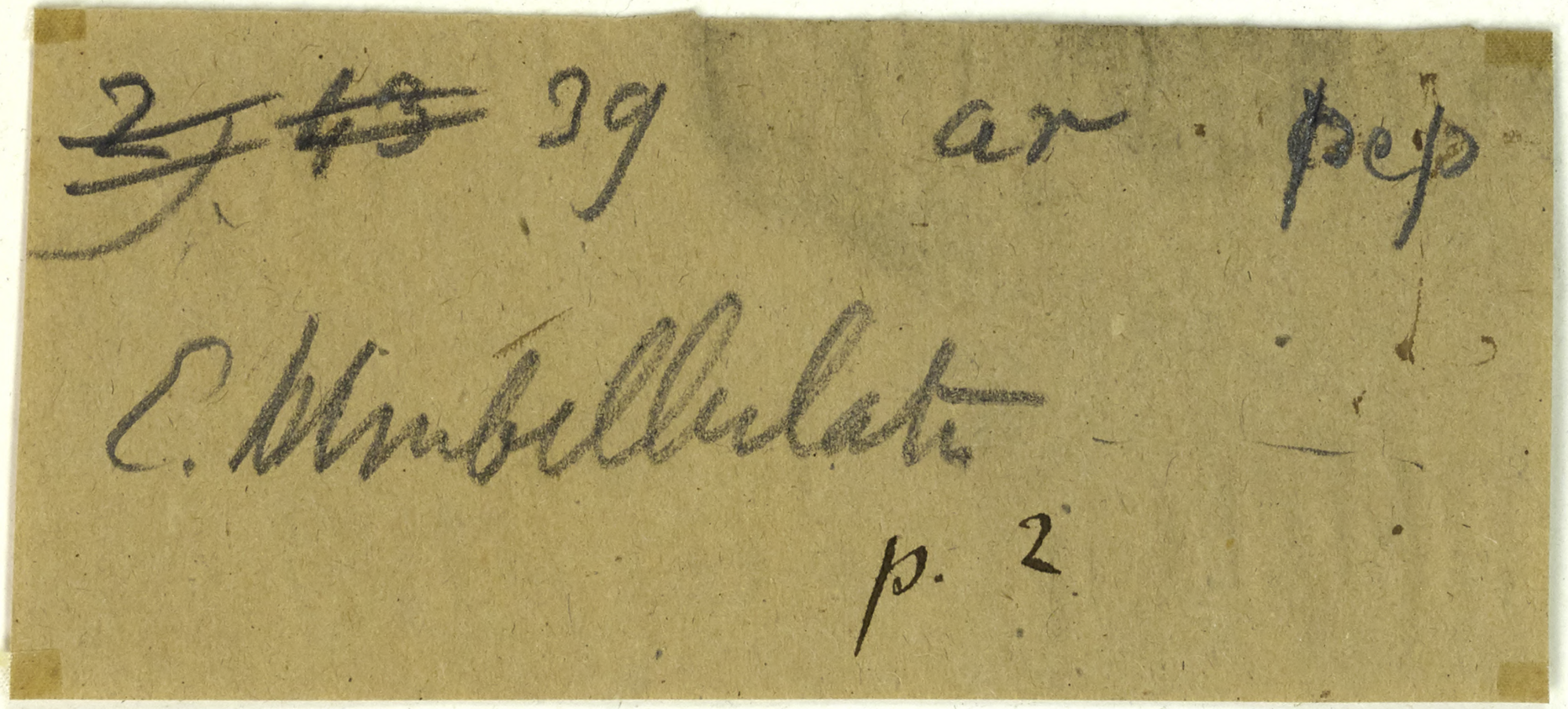
Euphorbia pubescula

annua? decumbens caescens,
pubescula
foliis e basi maxime obl. ovatis
subrotundis acute ovatis obtusis
crenatis introrsum acquitibus seu bregioribus
stipulis subulatis fimbriatis
Dutton involucris hemisphaericis
pubescentibus, appendicibus ovatis
patentibus multo majoribus
stylis bipartitis apice
bifidis, ovariis caescente
papillosis bregionibus.

Key west, Florida, Mr Blodgett.
small species clearly abt
allied to E. ~~?~~ almost imbricata
— Approaches E. dichroma in ~~?~~ more upon of the
the peculiarly unequal
size of the glands and especially
the petaloid appendages.

GEORGE ENGELMANN PAPERS
MISSOURI BOTANICAL GARDEN

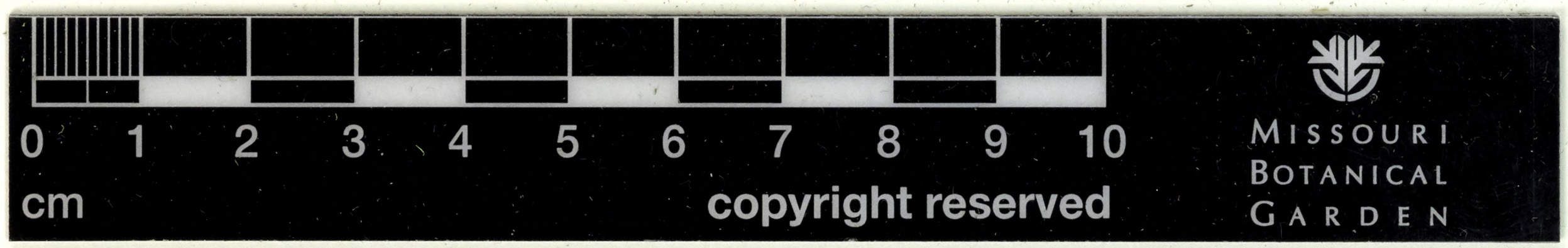
6637



0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

6638

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS



~~25~~ 40 Cata

Euphorbia d. Calata Torr. ~~a Gray~~ & Gray = Pepis ~~Engelm~~ Pepis or

Hook

non Hochstet — Kth.

Abyss. Flor.

perennis patula seu diffusa humilis vix ultra pedalis adpresse

pubescens

foliis e basi dilatata obtusa angulatis falcatis obtusis margine integerrimo revolutis supra sabris subtus (cum costa utrinque stipulis subulatis deciduis

axillis singulis s. ~~stipulis~~ 4-glomeratos pauriflores extensis

involucris ovatis appendiculatis angulatis sessilibus seu nullis

styles petalis recurvis

ovario — carpicos aequantibus seu superantibus ad medium bilobis stigmatibus clavellatis

capsula ovata

angulata

semine angulato ovato angulatis laevibus

subtuberculatis.

Wright. 1841 (Pl. Lind. 1851) San Pedro, Arizona

Pepis Expedition

Gravelly hills, Eagle Springs, Arizona

Sandy prairies on the Cimaron, Feb 1st 94

A low plant a few inches high

& spreading; leaves 1/3 — 1/2 inch long,

& not quite half as wide, of

a peculiar & characteristic

shape, which distinguishes this

species from the allied ones

in the Pueblo Region the leaves

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

6639

ft leaves
are shorter & broader —
proportion. —

Seed 0.8 l. by — half as
thick.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

~~24~~ 41 OS pej

E. acuta

~~pr~~ perennis ~~multiculis~~ ecutis foliosa hirsuta s.
canescens
foliis obtusa ~~obtusis~~ obtusa lanceolatis, ~~apicibus~~ acutatis, ~~rigide~~ cartilagineis
marginatis. supra ~~glabris~~ nudis
stipulis filiformibus mox
deciduis
antheris ovoideis apicu-
latis (~~5~~ 3 ~~angulis~~ s. pseudoquadrangulis) stylis
subexsertis hemisphaericis.
capsulis hirsutis, obtusis
pedicellis / ovatis ca no longioribus
capsula cana
seminibus subglobosis (rubris) acutis
acute angulatis laevibus.

Wright (annal 355)
(— — 843)
626)
Nº 1840 (92, ~~1851~~) — east of Peru
On the San Pedro
1739 (oct to Dec 1839)
(~~prueba 39 1851~~)
from the Rio Grande to the Lago
(~~355 pruebas~~)
Nº 557. (1849)

Sabinal, west Lagoon Bustos
west of Peros
San Felipe near
east of Peru
Rio Frio
?
Sabinal
?
Bigelow on the Peros.

½ – 1 foot high, stiff rigid, rough hairy,
leaves 6–10 lines long 3–6 wide
wall chamber by the very
acute point. — seeds 1 line or
over in length, 0.6 – 0.7 l. thick

6640

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN